

PI = PRESSURE INDICATOR
PT = PRESSURE TRANSMITTER
PSHH = PRESSURE SWITCH HIGH HIGH
PSLL = PRESSURE SWITCH LOW LOW
LSHH = LEVEL SWITCH HIGH HIGH
LSLL = LEVEL SWITCH LOW LOW
LSH = LEVEL SWITCH HIGH
LSL = LEVEL SWITCH LOW
TI = TEMPERATURE INDICATOR
TT = TEMPERATURE TRANSMITTER
FIT = FLOW INDICATING TRANSMITTER
(WITH VOLUME TOTALIZER)
A ALARM LIGHT
R RUN LIGHT
SAMPLE PORT

PSLL 201
PI 201
PT 201
PRESSURE BLADDER TANK (T-201)

ELECTRICAL SERVICE
PANEL AND DISCONNECT

MASTER CONTROL PANEL (NEMA 4)

ON-SITE CHART RECORDER (PAPERLESS)

INJECTION PRESSURE PT-102
INJECTION FLOW RATE FIT-101
INJECTED VOLUME FIT-101
INJECTED TEMPERATURE TT-101
ANNULAR FLUID PRESSURE PT-201

EXISTING PUMP CONTROL PANEL(S)

TYPICAL 10,500 GALLON EXISTING WASTEWATER STORAGE TANK (1 - 3)

T-101 (AND T-102, T-103)

Y-STRAINER (1 mm)

PUMP P-101

GLOBE VALVE

FIT 101

TI 101

TT 101

PI 102

PT 102

PI 101

INJECTION TUBING

INJECTION WELL IW-1

ANNULAR FLUID

ANNULAR FLUID

2 7/8"

5 1/2"

ALARMS AND INTERLOCKS

PSLL-201 ALARM, PSHH-102 ALARM, FIT-101 LOW LOW ALARM, FIT HIGH HIGH ALARM -

- ANNUNCIATE WITH RED LIGHT ON CONTROL PANEL
- ANNUNCIATE TO REMOTE FAX MACHINE AND/OR EMAIL, PAGER, TELEPHONE
- DISALLOW INJECTION (CEASE PUMPING OR GRAVITY FEED TO WELL)

LSLL-101 ALARM, LSHH-101 ALARM

- ANNUNCIATE WITH RED LIGHT ON CONTROL PANEL
- ANNUNCIATE TO REMOTE FAX MACHINE AND/OR EMAIL, PAGER, TELEPHONE
- DISALLOW INFLOW TO TANKS T-101, T-102, OR T-103.

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REV	DESCRIPTION OF REVISION	BY	DATE

SCEPTER, INC.
BICKNELL, INDIANA

URS
Tallahassee, Florida

SCALE NTS
DRAWN BY: LR
CHECKED BY: WH
DATE: 9/08
K: \ACAD\DWGS\Sceptor_Bicknell\DWGS\GWE_BaseMap_08sept.dwg

CONCEPTUAL PIPING AND INSTRUMENTATION
DIAGRAM (P&ID)

PROJECT NUMBER
20500022

FIGURE NUMBER
K-2